



# STIC Search Report

## Biotech-Chem Library

STIC Database Tracking Number: 115178

TO: Jeffrey Parkin  
Location: REM/3D39/3C18  
Art Unit: 1648  
Friday, March 19, 2004

Case Serial Number: 09/877606

From: Edward Hart  
Location: Biotech-Chem Library  
REM-1A55  
Phone: 571-272-2512

edward.hart@uspto.gov

### Search Notes

Examiner Parkin,

Here are the results of the search you requested.

Please feel free to contact me if you have any questions.

Edward Hart

Searches run against the **Published\_Applications\_AA** database on any Compugen machine between Feb 18 – Mar 16, 2004 had incomplete results.

The incomplete results were due to problem with the program that moves new applications into the **Published\_Applications\_AA** database. This problem was detected and corrected on Mar 17, 2004.

We have determined that a search was done for you on case in the **Published\_Applications\_AA** database between Feb 18 – Mar 16, 2004. This search has been rerun. The new results are attached.

STIC Database tracking #

original search completed

115178

2/26/04

**This Page Blank (uspto)**

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 18, 2004, 06:48:12 ; Search time 88.2279 Seconds  
(without alignments)  
249.481 Million cell updates/sec

Title: US-09-877-606-4  
Perfect score: 452  
Sequence: 1 NHTWLEWDREINNTSLIH.....SKIYHIENIARIKKLIGR 85

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1049977 seqs, 258955339 residues  
Total number of hits satisfying chosen parameters: 1049977

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA.\*  
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6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
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8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
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12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
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15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	290	64.2	268	9	US-09-854-816-16
2	290	64.2	344	14	US-10-040-349B-1
3	290	64.2	359	14	US-10-214-670-58
4	290	64.2	519	9	US-09-756-551A-8
5	290	64.2	856	9	US-09-476-242-1
6	290	64.2	856	14	US-10-196-515-11
7	278	61.5	177	14	US-10-040-349B-2
8	278	61.5	200	14	US-10-263-103-25
9	278	61.5	200	15	US-10-438-691-8
10	277	61.3	56	9	US-09-779-451-4
11	277	61.3	221	14	US-10-059-271-84
12	277	61.3	232	14	US-10-059-271-81
13	277	61.3	254	14	US-10-059-271-82
14	277	61.3	256	14	US-10-059-271-97
15	277	61.3	268	9	US-09-854-816-17

16	277	61.3	268	9	US-09-854-816-18
17	277	61.3	338	12	US-10-267-682-90
18	277	61.3	345	9	US-09-779-451-8
19	277	61.3	345	14	US-10-026-741-49
20	277	61.3	391	14	US-10-059-271-93
21	277	61.3	853	13	US-10-003-035-33
22	277	61.3	853	14	US-10-286-332A-33
23	277	61.3	853	15	US-10-280-915-33
24	277	61.3	861	14	US-10-026-741-103
25	277	61.3	1101	13	US-10-003-035-53
26	277	61.3	1101	14	US-10-286-332A-53
27	277	61.3	1101	15	US-10-280-915-53
28	277	61.3	1186	13	US-10-003-035-55
29	277	61.3	1186	14	US-10-286-332A-55
30	277	61.3	1186	15	US-10-280-915-55
31	274	60.6	268	9	US-09-854-816-19
32	267	59.1	58	12	US-10-267-682-210
33	267	59.1	58	14	US-10-252-136-11
34	266	58.8	759	14	US-10-196-515-12
35	262	58.0	726	14	US-10-196-515-3
36	261	57.7	48	14	US-10-351-641-547
37	260	57.5	268	9	US-09-854-816-13
38	260	57.5	269	9	US-09-854-816-46
39	257.5	57.0	108	14	US-10-263-103-33
40	256	56.6	46	9	US-09-779-451-41
41	255	56.4	47	12	US-10-267-682-219
42	255	56.4	269	9	US-09-854-816-43
43	254	56.2	268	9	US-09-854-816-9
44	253	56.0	269	9	US-09-854-816-12
45	252.5	55.9	57	12	US-10-267-682-158

ALIGNMENTS

RESULT 1

US-09-854-816-16  
; Sequence 16, Application US/09854816  
; Patent No. US20020151473A1  
; GENERAL INFORMATION:  
; APPLICANT: Andrew C. Braisted  
; J. Kevin Judice  
; Robert S. McDowell  
; J. Christopher Phelan  
; Melissa A. Starovasmik  
; James A. Wells  
; TITLE OF INVENTION: Constrained Helical Peptides and Methods of Making Same  
; NUMBER OF SEQUENCES: 113  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 1 DNA Way  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WinPatIn (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/854,816  
; FILING DATE: 15-May-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/965,056  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Torchia, PhD., Timothy E.  
; REGISTRATION NUMBER: 36,700  
; REFERENCE/DOCKET NUMBER: P1005R2  
; TELECOMMUNICATION INFORMATION:

```
;
; TELEPHONE: 650/225-8674
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 268 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-854-816-16
Query Match 64.2%; Score 290; DB 9; Length 268;
Best Local Similarity 98.1%; Pred. No. 6.6e-21;
Matches 51; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NHTTWLEWDREINNYTSLIHSLSIESQKQKQELLELDKWASLWNWFNI 52
Db 154 NHTTWLEWDREINNYTSLIHSLSIESQKQKQELLELDKWASLWNWFNI 205

RESULT 2
US-10-040-349B-1
; Sequence 1, Application US/10040349B
; Publication No. US20030082521A1
; GENERAL INFORMATION:
; APPLICANT: Brasseur, Robert
; APPLICANT: Charloteaux, Benoit
; APPLICANT: Chevallier, Michel
; APPLICANT: El Habib, Raphaelle
; APPLICANT: Krell, Tino
; TITLE OF INVENTION: Polypeptide Inducing Antibodies Neutralizing HIV
; FILE REFERENCE: 01-078-A
; CURRENT APPLICATION NUMBER: US/10/040,349B
; CURRENT FILING DATE: 2002-07-09
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Human immunodeficiency virus type 1
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: (1)..(344)
; OTHER INFORMATION: gp41 LAI protein
US-10-040-349B-1
Query Match 64.2%; Score 290; DB 14; Length 344;
Best Local Similarity 98.1%; Pred. No. 8.7e-21;
Matches 51; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NHTTWLEWDREINNYTSLIHSLSIESQKQKQELLELDKWASLWNWFNI 52
Db 113 NHTTWLEWDREINNYTSLIHSLSIESQKQKQELLELDKWASLWNWFNI 164

RESULT 3
US-10-214-670-58
; Sequence 58, Application US/10214670
; Publication No. US20030180715A1
; GENERAL INFORMATION:
; APPLICANT: Tibotec Pharmaceuticals Ltd.
; TITLE OF INVENTION: Methods and means for assessing HIV envelope inhibitor
; FILE REFERENCE: VIP-0021 seq listing
; CURRENT APPLICATION NUMBER: US/10/214,670
; CURRENT FILING DATE: 2002-08-08
; PRIOR APPLICATION NUMBER: EP 01203011.0
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/310497
; PRIOR FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 58
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Human immunodeficiency virus
US-10-214-670-58
Query Match 64.2%; Score 290; DB 14; Length 359;
Best Local Similarity 98.1%; Pred. No. 9.1e-21;
Matches 51; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NHTTWLEWDREINNYTSLIHSLSIESQKQKQELLELDKWASLWNWFNI 52
Db 135 NHTTWLEWDREINNYTSLIHSLSIESQKQKQELLELDKWASLWNWFNI 186

RESULT 4
US-09-756-551A-8
; Sequence 8, Application US/09756551A
; Patent No. US20020051768A1
; GENERAL INFORMATION:
; APPLICANT: C. Morrow et al.
; TITLE OF INVENTION: ENCAPSIDATED RECOMBINANT VIRAL
; TITLE OF INVENTION: NUCLEIC ACID AND METHODS OF MAKING AND
; TITLE OF INVENTION: USING SAME
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 28 STATE STREET
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/756.551A
; FILING DATE: 08-JAN-2001
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/376,184
; FILING DATE: 17-AUG-1999
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/987,867
; FILING DATE: 09-DEC-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/389,459
; FILING DATE: 15-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/087,009
; FILING DATE: 01-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Lauro, Peter C.
; REGISTRATION NUMBER: 32,360
; REFERENCE/DOCKET NUMBER: UAI-004CPDV2CN
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 742-4214
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 519 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-756-551A-8
Query Match 64.2%; Score 290; DB 9; Length 519;
Best Local Similarity 98.1%; Pred. No. 1.4e-20;
Matches 51; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NHTTWLEWDREINNYTSLIHSLSIESQKQKQELLELDKWASLWNWFNI 52
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; Sequence 8, Application US/10438691
; Publication No. US20040009189A1
; GENERAL INFORMATION:
; APPLICANT: Boudet, Florence
; APPLICANT: El Habib, Raphaelle
; APPLICANT: Krell, Tino
; APPLICANT: Sodoyer, Regis
; APPLICANT: Chevalier, Michel
; TITLE OF INVENTION: Polypeptide Antigen Inducing HIV-Neutralizing Antibodies
; FILE REFERENCE: 02-416-A
; CURRENT APPLICATION NUMBER: US/10/438,691
; PRIOR FILING DATE: 2003-05-15
; PRIOR APPLICATION NUMBER: 60/388676
; PRIOR FILING DATE: 2002-06-13
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of the artificial sequence: fragment of gp41
US-10-438-691-8

Query Match 61.5%; Score 278; DB 15; Length 200;
Best Local Similarity 68.0%; Pred. No. 7.3e-20;
Matches 51; Conservative 8; Mismatches 4; Indels 12; Gaps 1;

Qy 1 NHTTWLEWDREINNYTSLIHSLIEESQNQOEKNEQLLELDKWSLWNNWFIKIKQIEDK 60
Db 113 NNTWTMEWDREINNYTSLIHSLIEESQNQOEKNEQLLELDKWSLWNNWFIKIKQIEDK 163
Qy 61 IEEILSKIYHIENEI 75
Db 164 ---ITNWLWYIKRV 175

RESULT 10
US-09-779-451-4
; Sequence 4, Application US/09779451
; Patent No. US20020094521A1
; GENERAL INFORMATION:
; APPLICANT: Wild, Carl T.
; APPLICANT: Allaway, Graham P.
; TITLE OF INVENTION: Assay for Detection of Viral Fusion Inhibitors
; FILE REFERENCE: 1900.030003
; CURRENT APPLICATION NUMBER: US/09/779,451
; CURRENT FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: US 60/235,901
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/181,543
; PRIOR FILING DATE: 2000-02-10
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Human immunodeficiency virus type 1
US-09-779-451-4

Query Match 61.3%; Score 277; DB 9; Length 56;
Best Local Similarity 94.2%; Pred. No. 2.2e-20;
Matches 49; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NHTTWLEWDREINNYTSLIHSLIEESQNQOEKNEQLLELDKWSLWNNWFI 52
Db 2 NNTWTMEWDREINNYTSLIHSLIEESQNQOEKNEQLLELDKWSLWNNWFI 53

RESULT 11
US-10-059-271-84
; Sequence 84, Application US/10059271
; Publication No. US20030082208A1

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 18, 2004, 06:48:12 ; Search time 7.26582 Seconds  
(without alignments)  
249.481 Million cell updates/sec

Title: US-09-877-606-5  
Perfect score: 48  
Sequence: 1 LNWFDI 7

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1049977 seqs, 258955339 residues

Total number of hits satisfying chosen parameters: 1049977

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA.\*  
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2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
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18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	48	100.0	146	13	US-10-000-321-10
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5	48	100.0	268	9	US-09-854-816-14
6	48	100.0	268	9	US-09-854-816-26
7	48	100.0	268	9	US-09-854-816-35
8	48	100.0	268	9	US-09-854-816-39
9	48	100.0	268	9	US-09-854-816-40
10	48	100.0	268	9	US-09-854-816-68
11	48	100.0	268	9	US-09-854-816-70
12	48	100.0	268	9	US-09-854-816-71
13	48	100.0	268	9	US-09-854-816-72
14	48	100.0	269	9	US-09-854-816-20
15	48	100.0	269	9	US-09-854-816-21

16	48	100.0	269	9	US-09-854-816-22	Sequence 22, Appl
17	48	100.0	269	9	US-09-854-816-33	Sequence 33, Appl
18	48	100.0	269	9	US-09-854-816-34	Sequence 34, Appl
19	48	100.0	269	9	US-09-854-816-37	Sequence 37, Appl
20	48	100.0	269	9	US-09-854-816-96	Sequence 96, Appl
21	48	100.0	270	9	US-09-854-816-67	Sequence 67, Appl
22	48	100.0	351	9	US-09-886-156-46	Sequence 46, Appl
23	48	100.0	351	10	US-09-886-150-46	Sequence 46, Appl
24	48	100.0	351	10	US-09-886-149-46	Sequence 46, Appl
25	48	100.0	351	10	US-09-886-159-46	Sequence 46, Appl
26	48	100.0	351	14	US-10-326-090-46	Sequence 46, Appl
27	48	100.0	360	14	US-10-214-670-59	Sequence 59, Appl
28	48	100.0	360	14	US-10-214-670-60	Sequence 60, Appl
29	48	100.0	360	14	US-10-214-670-61	Sequence 61, Appl
30	48	100.0	579	14	US-10-032-162-15	Sequence 15, Appl
31	48	100.0	619	9	US-09-891-609-4	Sequence 4, Appl
32	48	100.0	625	14	US-10-032-162-17	Sequence 17, Appl
33	48	100.0	643	12	US-10-375-657-7	Sequence 7, Appl
34	48	100.0	643	14	US-10-032-162-13	Sequence 13, Appl
35	48	100.0	646	9	US-09-891-609-2	Sequence 2, Appl
36	48	100.0	842	14	US-10-190-435-2	Sequence 2, Appl
37	48	100.0	842	14	US-10-241-009-2	Sequence 2, Appl
38	48	100.0	842	14	US-10-190-434B-2	Sequence 2, Appl
39	48	100.0	842	14	US-10-190-305A-2	Sequence 2, Appl
40	48	100.0	847	9	US-09-476-242-2	Sequence 2, Appl
41	48	100.0	853	14	US-10-190-435-133	Sequence 133, App
42	48	100.0	854	14	US-10-369-294-16	Sequence 16, Appl
43	48	100.0	854	14	US-10-369-294-17	Sequence 17, Appl
44	48	100.0	857	14	US-10-190-435-132	Sequence 132, App
45	48	100.0	859	14	US-10-190-435-137	Sequence 137, App

ALIGNMENTS

RESULT 1  
US-10-000-321-10  
; Sequence 10, Application US/10000321  
; Publication No. US20020123039A1  
; GENERAL INFORMATION:  
; APPLICANT: BRUST, Stefan  
; KNAPP, Stefan  
; GERKEN, Manfred  
; GUERTLER, Lutz  
; TITLE OF INVENTION: Peptides derived from a retrovirus of  
; the HIV group, and their use  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 3000 K Street, N.W., Suite 500  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20007-5109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA: US/10/000,321  
; FILING DATE: 04-Dec-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/131,551  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SANDERCOCK, Colin G.  
; REGISTRATION NUMBER: 31,298  
; REFERENCE/DOCKET NUMBER: 58315/106/BEAK  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202)672-5300  
; TELEFAX: (202)672-5399

TELEX: 904136  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 146 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
US-10-000-321-10

Query Match 100.0%; Score 48; DB 13; Length 146;  
Best Local Similarity 100.0%; Pred. No. 10;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNNWFDI 7

Db 138 LNNWFDI 144

## RESULT 2

US-09-854-816-15  
Sequence 15, Application US/09854816  
Patent No. US20020151473A1  
GENERAL INFORMATION:

APPLICANT: Andrew C. Braisted  
J. Kevin Judice  
Robert S. McDowell  
J. Christopher Phelan  
Melissa A. Starovaenik  
James A. Wells

TITLE OF INVENTION: Constrained Helical Peptides and Methods of

NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

## COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/854,816  
FILING DATE: 15-May-2001  
CLASSIFICATION: <Unknown>

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/965,056  
FILING DATE: <Unknown>

## ATTORNEY/AGENT INFORMATION:

NAME: Torchia, Ph.D., Timothy E.  
REGISTRATION NUMBER: 36,700  
REFERENCE/DOCKET NUMBER: P1005R2

## TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-8674  
TELEFAX: 650/952-9881

## INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:  
LENGTH: 267 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear

## SEQUENCE DESCRIPTION: SEQ ID NO: 15:

US-09-854-816-15

Query Match 100.0%; Score 48; DB 9; Length 267;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNNWFDI 7

|||||||

Db 198 LNNWFDI 204

## RESULT 3

US-09-854-816-8  
Sequence 8, Application US/09854816  
Patent No. US20020151473A1  
GENERAL INFORMATION:

APPLICANT: Andrew C. Braisted  
J. Kevin Judice  
Robert S. McDowell  
J. Christopher Phelan  
Melissa A. Starovaenik  
James A. Wells

TITLE OF INVENTION: Constrained Helical Peptides and Methods of

NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

## COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/854,816  
FILING DATE: 15-May-2001  
CLASSIFICATION: <Unknown>

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/965,056  
FILING DATE: <Unknown>

## ATTORNEY/AGENT INFORMATION:

NAME: Torchia, Ph.D., Timothy E.  
REGISTRATION NUMBER: 36,700  
REFERENCE/DOCKET NUMBER: P1005R2

## TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-8674  
TELEFAX: 650/952-9881

## INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:  
LENGTH: 268 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear

## SEQUENCE DESCRIPTION: SEQ ID NO: 8:

US-09-854-816-8

Query Match 100.0%; Score 48; DB 9; Length 268;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNNWFDI 7

Db 199 LNNWFDI 205

## RESULT 4

US-09-854-816-13  
Sequence 13, Application US/09854816  
Patent No. US20020151473A1  
GENERAL INFORMATION:

APPLICANT: Andrew C. Braisted  
J. Kevin Judice  
Robert S. McDowell  
J. Christopher Phelan  
Melissa A. Starovaenik  
James A. Wells

TITLE OF INVENTION: Constrained Helical Peptides and Methods of

Making Same

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;
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/854,816
; FILING DATE: 15-May-2001
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/965,056
; FILING DATE: <Unknown>
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Torchia, Ph.D., Timothy E.
; REGISTRATION NUMBER: 36,700
; REFERENCE/DOCKET NUMBER: P1005R2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-98674
; TELEFAX: 650/952-9881
;
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 268 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:
;
; US-09-854-816-13
;
; Query Match 100.0%; Score 48; DB 9; Length 268;
; Best Local Similarity 100.0%; Pred. No. 17;
; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 LNNWFEDI 7
; DB 199 LNNWFEDI 205
;
; RESULT 5
; US-09-854-816-14
; Sequence 14, Application US/09854816
; Patent No. US20020151473A1
; GENERAL INFORMATION:
; APPLICANT: Andrew C. Braisted
; J. Kevin Judice
; Robert S. McDowell
; J. Christopher Phelan
; Melissa A. Starovasnik
; James A. Wells
;
; TITLE OF INVENTION: Constrained Helical Peptides and Methods of
; Making Same
;
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/854,816
; FILING DATE: 15-May-2001
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/965,056
; FILING DATE: <Unknown>
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Torchia, Ph.D., Timothy E.
; REGISTRATION NUMBER: 36,700
; REFERENCE/DOCKET NUMBER: P1005R2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-98674
; TELEFAX: 650/952-9881
;
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 268 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:
;
; US-09-854-816-13
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; Query Match 100.0%; Score 48; DB 9; Length 268;
; Best Local Similarity 100.0%; Pred. No. 17;
; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 LNNWFEDI 7
; DB 199 LNNWFEDI 205
;
; RESULT 6
; US-09-854-816-26
; Sequence 26, Application US/09854816
; Patent No. US20020151473A1
; GENERAL INFORMATION:
; APPLICANT: Andrew C. Braisted
; J. Kevin Judice
; Robert S. McDowell
; J. Christopher Phelan
; Melissa A. Starovasnik
; James A. Wells
;
; TITLE OF INVENTION: Constrained Helical Peptides and Methods of
; Making Same
;
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/854,816
; FILING DATE: 15-May-2001
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/965,056
; FILING DATE: <Unknown>
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Torchia, Ph.D., Timothy E.
; REGISTRATION NUMBER: 36,700
; REFERENCE/DOCKET NUMBER: P1005R2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-98674
; TELEFAX: 650/952-9881
;
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 268 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:
;
; US-09-854-816-14
;
; Query Match 100.0%; Score 48; DB 9; Length 268;
; Best Local Similarity 100.0%; Pred. No. 17;
; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 LNNWFEDI 7
; DB 199 LNNWFEDI 205
;
; RESULT 6
; US-09-854-816-26
; Sequence 26, Application US/09854816
; Patent No. US20020151473A1
; GENERAL INFORMATION:
; APPLICANT: Andrew C. Braisted
; J. Kevin Judice
; Robert S. McDowell
; J. Christopher Phelan
; Melissa A. Starovasnik
; James A. Wells
;
; TITLE OF INVENTION: Constrained Helical Peptides and Methods of
; Making Same
;
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/854,816
; FILING DATE: 15-May-2001
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/965,056
; FILING DATE: <Unknown>
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Torchia, Ph.D., Timothy E.
; REGISTRATION NUMBER: 36,700
; REFERENCE/DOCKET NUMBER: P1005R2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-98674
; TELEFAX: 650/952-9881
;
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 268 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:
;
; US-09-854-816-14

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SEQUENCE DESCRIPTION: SEQ ID NO: 26:  
US-09-854-816-26

Query Match 100.0%; Score 48; DB 9; Length 268;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWNWFDI 7  
Db 199 LWNWFDI 205

## RESULT 7

US-09-854-816-35  
Sequence 35, Application US/09854816  
Patent No. US20020151473A1

## GENERAL INFORMATION:

APPLICANT: Andrew C. Braisted  
J. Kevin Judice  
Robert S. McDowell  
J. Christopher Phelan  
Melissa A. Starovaenik  
James A. Wells

TITLE OF INVENTION: Constrained Helical Peptides and Methods of Making Same

NUMBER OF SEQUENCES: 113

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.  
STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

## COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/854,816  
FILING DATE: 15-May-2001

CLASSIFICATION: <Unknown>

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/965,056  
FILING DATE: <Unknown>

## ATTORNEY/AGENT INFORMATION:

NAME: Torchia, Ph.D., Timothy E.  
REGISTRATION NUMBER: 36,700  
REFERENCE/DOCKET NUMBER: P1005R2

## TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-8674

TELEFAX: 650/952-9881

## INFORMATION FOR SEQ ID NO: 35:

SEQUENCE CHARACTERISTICS:

LENGTH: 268 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 35:

US-09-854-816-35

Query Match 100.0%; Score 48; DB 9; Length 268;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWNWFDI 7  
Db 199 LWNWFDI 205

## RESULT 8

US-09-854-816-39

Sequence 39, Application US/09854816  
Patent No. US20020151473A1

## GENERAL INFORMATION:

APPLICANT: Andrew C. Braisted  
J. Kevin Judice  
Robert S. McDowell  
J. Christopher Phelan  
Melissa A. Starovaenik  
James A. Wells

TITLE OF INVENTION: Constrained Helical Peptides and Methods of Making Same

NUMBER OF SEQUENCES: 113

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.  
STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

## COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/854,816  
FILING DATE: 15-May-2001

CLASSIFICATION: <Unknown>

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/965,056  
FILING DATE: <Unknown>

## ATTORNEY/AGENT INFORMATION:

NAME: Torchia, Ph.D., Timothy E.  
REGISTRATION NUMBER: 36,700  
REFERENCE/DOCKET NUMBER: P1005R2

## TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-8674

TELEFAX: 650/952-9881

## INFORMATION FOR SEQ ID NO: 39:

SEQUENCE CHARACTERISTICS:

LENGTH: 268 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 39:

US-09-854-816-39

Query Match 100.0%; Score 48; DB 9; Length 268;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWNWFDI 7  
Db 199 LWNWFDI 205

## RESULT 9

US-09-854-816-40  
Sequence 40, Application US/09854816  
Patent No. US20020151473A1

## GENERAL INFORMATION:

APPLICANT: Andrew C. Braisted  
J. Kevin Judice  
Robert S. McDowell  
J. Christopher Phelan  
Melissa A. Starovaenik  
James A. Wells

TITLE OF INVENTION: Constrained Helical Peptides and Methods of Making Same

NUMBER OF SEQUENCES: 113

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.  
STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA



QY 1 LWNWFDI 7  
Db 199 LWNWFDI 205

RESULT 12  
US-09-854-816-71  
; Sequence 71, Application US/09854816  
; Patent No. US20020151473A1  
; GENERAL INFORMATION:  
; APPLICANT: Andrew C. Braisted  
; J. Kevin Judice  
; Robert S. McDowell  
; J. Christopher Phelan  
; Melissa A. Starovasinik  
; James A. Wells

TITLE OF INVENTION: Constrained Helical Peptides and Methods of Making Same

NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/854,816  
FILING DATE: 15-May-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION NUMBER: 08/965,056  
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:  
NAME: Torchia, PhD., Timothy E.  
REGISTRATION NUMBER: 36,700  
REFERENCE/DOCKET NUMBER: P1005R2

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650/225-8674  
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 71:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 268 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 71:  
US-09-854-816-71

Query Match 100.0%; Score 48; DB 9; Length 268;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWNWFDI 7  
Db 199 LWNWFDI 205

RESULT 13  
US-09-854-816-72  
; Sequence 72, Application US/09854816  
; Patent No. US20020151473A1  
; GENERAL INFORMATION:  
; APPLICANT: Andrew C. Braisted  
; J. Kevin Judice  
; Robert S. McDowell  
; J. Christopher Phelan  
; Melissa A. Starovasinik  
; James A. Wells

TITLE OF INVENTION: Constrained Helical Peptides and Methods of Making Same

NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/854,816  
FILING DATE: 15-May-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION NUMBER: 08/965,056  
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:  
NAME: Torchia, PhD., Timothy E.  
REGISTRATION NUMBER: 36,700  
REFERENCE/DOCKET NUMBER: P1005R2

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650/225-8674  
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 72:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 268 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 72:  
US-09-854-816-72

Query Match 100.0%; Score 48; DB 9; Length 268;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWNWFDI 7  
Db 199 LWNWFDI 205

RESULT 14  
US-09-854-816-20  
; Sequence 20, Application US/09854816  
; Patent No. US20020151473A1  
; GENERAL INFORMATION:  
; APPLICANT: Andrew C. Braisted  
; J. Kevin Judice  
; Robert S. McDowell  
; J. Christopher Phelan  
; Melissa A. Starovasinik  
; James A. Wells

TITLE OF INVENTION: Constrained Helical Peptides and Methods of Making Same

NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/09/854,816
; FILING DATE: 15-May-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/965,056
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Torchia, PhD., Timothy E.
; REGISTRATION NUMBER: 36,700
; REFERENCE/DOCKET NUMBER: P1005R2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-8674
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 269 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-09-854-816-20

Query Match      100.0%; Score 48; DB 9; Length 269;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LWNWFDI 7
Db      200 LWNWFDI 206

Search completed: March 18, 2004, 06:55:45
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; TYPE: Amino Acid
; TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-09-854-816-21

Query Match      100.0%; Score 48; DB 9; Length 269;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LWNWFDI 7
Db      200 LWNWFDI 206

Search completed: March 18, 2004, 06:55:45
Job time : 7.26582 secs

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; APPLICATION NUMBER: US/09/854,816
; FILING DATE: 15-May-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/965,056
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Torchia, PhD., Timothy E.
; REGISTRATION NUMBER: 36,700
; REFERENCE/DOCKET NUMBER: P1005R2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-8674
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 269 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-09-854-816-20

Query Match      100.0%; Score 48; DB 9; Length 269;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LWNWFDI 7
Db      200 LWNWFDI 206

RESULT 15
US-09-854-816-21
; Sequence 21, Application US/09854816
; Patent No. US20020151473A1
; GENERAL INFORMATION:
; APPLICANT: Andrew C. Braisted
; J. Kevin Judice
; Robert S. McDowell
; J. Christopher Phelan
; Melissa A. Starovashnik
; James A. Wells
; TITLE OF INVENTION: Constrained Helical Peptides and Methods of
; Making Same
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/854,816
; FILING DATE: 15-May-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/965,056
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Torchia, PhD., Timothy E.
; REGISTRATION NUMBER: 36,700
; REFERENCE/DOCKET NUMBER: P1005R2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-8674
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 269 amino acids
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OM protein - protein search, using sw model

Run on: March 18, 2004, 06:48:12 ; Search time 7.26582 Seconds  
(without alignments)  
249.481 Million cell updates/sec

Title: US-09-877-606-7

Perfect score: 48

Sequence: 1 LNWFWNI 7

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1049977 seqs, 258955339 residues

Total number of hits satisfying chosen parameters: 1049977

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	48	100.0	36	12	US-10-267-682-232
2	48	100.0	36	12	Sequence 232, App
3	48	100.0	36	14	Sequence 233, App
4	48	100.0	36	14	Sequence 56, App1
5	48	100.0	36	14	Sequence 57, App1
6	48	100.0	36	14	Sequence 58, App1
7	48	100.0	36	14	Sequence 549, App
8	48	100.0	36	14	Sequence 550, App
9	48	100.0	36	14	Sequence 551, App
10	48	100.0	36	14	Sequence 552, App
11	48	100.0	36	14	Sequence 553, App
12	48	100.0	36	14	Sequence 554, App
13	48	100.0	36	14	Sequence 555, App
14	48	100.0	36	14	Sequence 556, App
15	48	100.0	36	14	Sequence 557, App
					Sequence 558, App

Sequence 559, App  
Sequence 560, App  
Sequence 776, App  
Sequence 777, App  
Sequence 778, App  
Sequence 781, App  
Sequence 160, App  
Sequence 13, Appli  
Sequence 4, Appli  
Sequence 2, Appli  
Sequence 25, Appli  
Sequence 8, Appli  
Sequence 84, Appli  
Sequence 81, Appli  
Sequence 82, Appli  
Sequence 97, Appli  
Sequence 9, Appli  
Sequence 10, Appli  
Sequence 16, Appli  
Sequence 17, Appli  
Sequence 18, Appli  
Sequence 19, Appli  
Sequence 41, Appli  
Sequence 12, Appli  
Sequence 31, Appli  
Sequence 43, Appli  
Sequence 44, Appli  
Sequence 46, Appli  
Sequence 90, Appli  
Sequence 1, Appli

16 48 100.0 36 14 US-10-351-641-559  
17 48 100.0 36 14 US-10-351-641-560  
18 48 100.0 38 14 US-10-351-641-776  
19 48 100.0 39 14 US-10-351-641-777  
20 48 100.0 40 14 US-10-351-641-778  
21 48 100.0 40 14 US-10-351-641-781  
22 48 100.0 49 12 US-10-267-682-160  
23 48 100.0 49 14 US-10-252-136-13  
24 48 100.0 56 9 US-09-779-451-4  
25 48 100.0 177 14 US-10-040-349B-2  
26 48 100.0 200 14 US-10-263-103-25  
27 48 100.0 200 15 US-10-438-691-8  
28 48 100.0 221 14 US-10-059-271-84  
29 48 100.0 232 14 US-10-059-271-81  
30 48 100.0 254 14 US-10-059-271-82  
31 48 100.0 256 14 US-10-059-271-97  
32 48 100.0 268 9 US-09-854-816-9  
33 48 100.0 268 9 US-09-854-816-10  
34 48 100.0 268 9 US-09-854-816-16  
35 48 100.0 268 9 US-09-854-816-17  
36 48 100.0 268 9 US-09-854-816-18  
37 48 100.0 268 9 US-09-854-816-19  
38 48 100.0 268 9 US-09-854-816-41  
39 48 100.0 269 9 US-09-854-816-12  
40 48 100.0 269 9 US-09-854-816-31  
41 48 100.0 269 9 US-09-854-816-43  
42 48 100.0 269 9 US-09-854-816-44  
43 48 100.0 269 9 US-09-854-816-46  
44 48 100.0 338 12 US-10-267-682-90  
45 48 100.0 344 14 US-10-040-349B-1

#### ALIGNMENTS

#### RESULT 1

US-10-267-682-232

; Sequence 232, Application US/10267682

; Publication No. US2004003235A1

; GENERAL INFORMATION:

; APPLICANT: Bolognesi, Dani P.

; Matthews, Thomas J.

; Wild, Carl T.

; Barney, Shawn O.

; Lambert, Dennis M.

; Petteway, Stephen R.

; Langlois, Alphonse J.

; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF

; MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV

; TRANSMISSION

; NUMBER OF SEQUENCES: 239

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION NUMBER: US/10/267,682

; FILING DATE: 08-Oct-2002

; PRIORITY INFORMATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/484,223A

; FILING DATE: 07-JUN-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Coruzzi, Laura A.

; REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 7872-029  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 232:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 36 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 232:  
US-10-267-682-232

Query Match 100.0%; Score 48; DB 12; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.7;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWNWFI 7  
| | | | |  
Qb 30 LWNWFI 36

RESULT 2  
US-10-267-682-233  
Sequence 233, Application US/10267682  
Publication No. US2004033235A1  
GENERAL INFORMATION:  
APPLICANT: Bolognesi, Dani P.  
Matthews, Thomas J.  
Wild, Carl T.  
Barney, Shawn O.  
Lambert, Dennis M.  
Petteway, Stephen R.  
Langlois, Alphonse J.  
TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF  
MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV  
TRANSMISSION  
NUMBER OF SEQUENCES: 239  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/267,682  
FILING DATE: 08-Oct-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/484,223A  
FILING DATE: 07-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Coruzzi, Laura A.  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 7872-029  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 233:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 36 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: unknown

MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 233:  
US-10-267-682-233

Query Match 100.0%; Score 48; DB 12; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.7;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWNWFI 7  
| | | | |  
Db 29 LWNWFI 35

RESULT 3  
US-10-252-136-56  
Sequence 56, Application US/10252136  
Publication No. US20030103998A1  
GENERAL INFORMATION:  
APPLICANT: Johnson, M. Ross  
TITLE OF INVENTION: TREATMENT OF HUMAN IMMUNODEFICIENCY VIRUS AND OTHER  
TITLE OF INVENTION: VIRAL INFECTIONS  
TITLE OF INVENTION: USING COMBINATORY THERAPY  
FILE REFERENCE: 7872-036  
CURRENT APPLICATION NUMBER: US/10/252,136  
CURRENT FILING DATE: 2002-09-20  
PRIOR APPLICATION NUMBER: US/08/973,952  
PRIOR FILING DATE: 1998-05-29  
NUMBER OF SEQ ID NOS: 82  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 56  
LENGTH: 36  
TYPE: PRT  
ORGANISM: Human immunodeficiency virus  
US-10-252-136-56

Query Match 100.0%; Score 48; DB 14; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.7;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWNWFI 7  
| | | | |  
Db 27 LWNWFI 33

RESULT 4  
US-10-252-136-57  
Sequence 57, Application US/10252136  
Publication No. US20030103998A1  
GENERAL INFORMATION:  
APPLICANT: Johnson, M. Ross  
TITLE OF INVENTION: TREATMENT OF HUMAN IMMUNODEFICIENCY VIRUS AND OTHER  
TITLE OF INVENTION: VIRAL INFECTIONS  
TITLE OF INVENTION: USING COMBINATORY THERAPY  
FILE REFERENCE: 7872-036  
CURRENT APPLICATION NUMBER: US/10/252,136  
CURRENT FILING DATE: 2002-09-20  
PRIOR APPLICATION NUMBER: US/08/973,952  
PRIOR FILING DATE: 1998-05-29  
NUMBER OF SEQ ID NOS: 82  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 57  
LENGTH: 36  
TYPE: PRT  
ORGANISM: Human immunodeficiency virus  
US-10-252-136-57

Query Match 100.0%; Score 48; DB 14; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.7;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWNWFI 7

```
Db          29 LMNWFNI 35
|||||
RESULT 5
US-10-252-136-58
; Sequence 58, Application US/10252136
; Publication No. US20030103998A1
; GENERAL INFORMATION:
; APPLICANT: Johnson, M. Ross
; APPLICANT: Lambert, Dennis M.
; TITLE OF INVENTION: TREATMENT OF HUMAN IMMUNODEFICIENCY VIRUS AND OTHER
; TITLE OF INVENTION: VIRAL INFECTIONS
; TITLE OF INVENTION: USING COMBINATORY THERAPY
; FILE REFERENCE: 7872-036
; CURRENT APPLICATION NUMBER: US/10/252,136
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US/08/973,952
; PRIOR FILING DATE: 1998-05-29
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Human immunodeficiency virus
US-10-252-136-58

Query Match          100.0%; Score 48; DB 14; Length 36;
Best Local Similarity 100.0%; Pred. No. 4.7;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LMNWFNI 7
        |||||
Db      30 LMNWFNI 36

RESULT 6
US-10-351-641-549
; Sequence 549, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 549
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-549

Query Match          100.0%; Score 48; DB 14; Length 36;
Best Local Similarity 100.0%; Pred. No. 4.7;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LMNWFNI 7
        |||||
Db      30 LMNWFNI 36

RESULT 7
US-10-351-641-550
; Sequence 550, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 550
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-550

Query Match          100.0%; Score 48; DB 14; Length 36;
Best Local Similarity 100.0%; Pred. No. 4.7;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LMNWFNI 7
        |||||
Db      20 LMNWFNI 26

RESULT 8
US-10-351-641-551
; Sequence 551, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 551
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-551
```

Query Match 100.0%; Score 48; DB 14; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.7;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWNWFNI 7  
Db 21 LWNWFNI 27

## RESULT 9

US-10-351-641-552  
; Sequence 552, Application US/10351641  
; Publication No. US20030186874A1  
; GENERAL INFORMATION:  
; APPLICANT: Barney, S.  
; APPLICANT: Guthrie, K.  
; APPLICANT: Merutka, G.  
; APPLICANT: Anwer, M.  
; APPLICANT: Lambert, D.  
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC  
; FILE REFERENCE: 7872-100  
; CURRENT APPLICATION NUMBER: US/10/351,641  
; CURRENT FILING DATE: 2003-01-24  
; PRIOR APPLICATION NUMBER: 09/350,641  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: 09/315,304  
; PRIOR FILING DATE: 1999-05-20  
; PRIOR APPLICATION NUMBER: 09/082,279  
; PRIOR FILING DATE: 1998-05-20  
; NUMBER OF SEQ ID NOS: 1757  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 552  
; LENGTH: 36  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Core polypeptide  
US-10-351-641-552

Query Match 100.0%; Score 48; DB 14; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.7;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWNWFNI 7  
Db 22 LWNWFNI 28

## RESULT 10

US-10-351-641-553  
; Sequence 553, Application US/10351641  
; Publication No. US20030186874A1  
; GENERAL INFORMATION:  
; APPLICANT: Barney, S.  
; APPLICANT: Guthrie, K.  
; APPLICANT: Merutka, G.  
; APPLICANT: Anwer, M.  
; APPLICANT: Lambert, D.  
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC  
; FILE REFERENCE: 7872-100  
; CURRENT APPLICATION NUMBER: US/10/351,641  
; CURRENT FILING DATE: 2003-01-24  
; PRIOR APPLICATION NUMBER: 09/350,641  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: 09/315,304  
; PRIOR FILING DATE: 1999-05-20  
; PRIOR APPLICATION NUMBER: 09/082,279  
; PRIOR FILING DATE: 1998-05-20  
; NUMBER OF SEQ ID NOS: 1757  
; SOFTWARE: FastSeq for Windows Version 3.0

&gt;

; SEQ ID NO 553  
; LENGTH: 36  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Core polypeptide  
US-10-351-641-553

Query Match 100.0%; Score 48; DB 14; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.7;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWNWFNI 7  
Db 23 LWNWFNI 29

## RESULT 11

US-10-351-641-554  
; Sequence 554, Application US/10351641  
; Publication No. US20030186874A1  
; GENERAL INFORMATION:  
; APPLICANT: Barney, S.  
; APPLICANT: Guthrie, K.  
; APPLICANT: Merutka, G.  
; APPLICANT: Anwer, M.  
; APPLICANT: Lambert, D.  
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC  
; FILE REFERENCE: 7872-100  
; CURRENT APPLICATION NUMBER: US/10/351,641  
; CURRENT FILING DATE: 2003-01-24  
; PRIOR APPLICATION NUMBER: 09/350,641  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: 09/315,304  
; PRIOR FILING DATE: 1999-05-20  
; PRIOR APPLICATION NUMBER: 09/082,279  
; PRIOR FILING DATE: 1998-05-20  
; NUMBER OF SEQ ID NOS: 1757  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 554  
; LENGTH: 36  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Core polypeptide  
US-10-351-641-554

Query Match 100.0%; Score 48; DB 14; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.7;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LWNWFNI 7  
Db 24 LWNWFNI 30

## RESULT 12

US-10-351-641-555  
; Sequence 555, Application US/10351641  
; Publication No. US20030186874A1  
; GENERAL INFORMATION:  
; APPLICANT: Barney, S.  
; APPLICANT: Guthrie, K.  
; APPLICANT: Merutka, G.  
; APPLICANT: Anwer, M.  
; APPLICANT: Lambert, D.  
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC  
; FILE REFERENCE: 7872-100  
; CURRENT APPLICATION NUMBER: US/10/351,641  
; CURRENT FILING DATE: 2003-01-24  
; PRIOR APPLICATION NUMBER: 09/350,641

; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: 09/315,304  
; PRIOR FILING DATE: 1999-05-20  
; PRIOR APPLICATION NUMBER: 09/082,279  
; PRIOR FILING DATE: 1998-05-20  
; NUMBER OF SEQ ID NOS: 1757  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 555  
; LENGTH: 36  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Core polypeptide  
US-10-351-641-555

Query Match 100.0%; Score 48; DB 14; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.7;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNNWFNI 7  
Db 25 LNNWFNI 31

RESULT 13  
US-10-351-641-556  
; Sequence 556, Application US/10351641  
; Publication No. US20030186874A1  
; GENERAL INFORMATION:  
; APPLICANT: Barney, S.  
; APPLICANT: Guthrie, K.  
; APPLICANT: Merutka, G.  
; APPLICANT: Anwer, M.  
; APPLICANT: Lambert, D.  
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC  
; FILE REFERENCE: 7872-100  
; CURRENT APPLICATION NUMBER: US/10/351,641  
; CURRENT FILING DATE: 2003-01-24  
; PRIOR APPLICATION NUMBER: 09/350,641  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: 09/315,304  
; PRIOR FILING DATE: 1999-05-20  
; PRIOR APPLICATION NUMBER: 09/082,279  
; NUMBER OF SEQ ID NOS: 1757  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 556  
; LENGTH: 36  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Core polypeptide  
US-10-351-641-556

Query Match 100.0%; Score 48; DB 14; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.7;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNNWFNI 7  
Db 26 LNNWFNI 32

RESULT 14  
US-10-351-641-557  
; Sequence 557, Application US/10351641  
; Publication No. US20030186874A1  
; GENERAL INFORMATION:  
; APPLICANT: Barney, S.  
; APPLICANT: Guthrie, K.  
; APPLICANT: Merutka, G.  
; APPLICANT: Anwer, M.

; APPLICANT: Lambert, D.  
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC  
; FILE REFERENCE: 7872-100  
; CURRENT APPLICATION NUMBER: US/10/351,641  
; CURRENT FILING DATE: 2003-01-24  
; PRIOR APPLICATION NUMBER: 09/350,641  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: 09/315,304  
; PRIOR FILING DATE: 1999-05-20  
; PRIOR APPLICATION NUMBER: 09/082,279  
; PRIOR FILING DATE: 1998-05-20  
; NUMBER OF SEQ ID NOS: 1757  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 557  
; LENGTH: 36  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Core polypeptide  
US-10-351-641-557

Query Match 100.0%; Score 48; DB 14; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.7;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNNWFNI 7  
Db 27 LNNWFNI 33

RESULT 15  
US-10-351-641-558  
; Sequence 558, Application US/10351641  
; Publication No. US20030186874A1  
; GENERAL INFORMATION:  
; APPLICANT: Barney, S.  
; APPLICANT: Guthrie, K.  
; APPLICANT: Merutka, G.  
; APPLICANT: Anwer, M.  
; APPLICANT: Lambert, D.  
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC  
; FILE REFERENCE: 7872-100  
; CURRENT APPLICATION NUMBER: US/10/351,641  
; CURRENT FILING DATE: 2003-01-24  
; PRIOR APPLICATION NUMBER: 09/350,641  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: 09/315,304  
; PRIOR FILING DATE: 1999-05-20  
; PRIOR APPLICATION NUMBER: 09/082,279  
; PRIOR FILING DATE: 1998-05-20  
; NUMBER OF SEQ ID NOS: 1757  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 558  
; LENGTH: 36  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Core polypeptide  
US-10-351-641-558

Query Match 100.0%; Score 48; DB 14; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.7;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNNWFNI 7  
Db 28 LNNWFNI 34

Search completed: March 18, 2004, 06:55:45  
Job time : 7.26582 secs



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OM protein - protein search, using sw model

Run on: March 18, 2004, 06:48:12 ; Search time 7.26582 Seconds  
(without alignments)  
249.481 Million cell updates/sec

Title: US-09-877-606-8  
Perfect score: 7  
Sequence: 1 XXXXXX 7

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1049977 seqs, 258955339 residues

Total number of hits satisfying chosen parameters: 1049977

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
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- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
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- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	0	0.0	1	9	US-09-982-172-3
3	0	0.0	1	9	US-09-982-172-4
4	0	0.0	1	9	US-09-982-172-9
5	0	0.0	1	9	US-09-982-172-11
6	0	0.0	1	9	US-09-982-172-19
7	0	0.0	1	9	US-09-982-172-31
8	0	0.0	1	9	US-09-982-172-35
9	0	0.0	1	9	US-09-982-172-37
10	0	0.0	1	9	US-09-982-172-46
11	0	0.0	1	9	US-09-982-172-69
12	0	0.0	1	9	US-09-982-172-80
13	0	0.0	1	9	US-09-982-172-81
14	0	0.0	1	9	US-09-982-172-83
15	0	0.0	1	9	US-09-982-172-86

Sequence 93, Appl	1	9	US-09-982-172-93
Sequence 95, Appl	1	9	US-09-982-172-95
Sequence 106, App	1	9	US-09-982-172-106
Sequence 112, App	1	9	US-09-982-172-112
Sequence 120, App	1	9	US-09-982-172-120
Sequence 126, App	1	9	US-09-982-172-126
Sequence 148, App	1	9	US-09-982-172-148
Sequence 149, App	1	9	US-09-982-172-149
Sequence 155, App	1	9	US-09-982-172-155
Sequence 160, App	1	9	US-09-982-172-160
Sequence 172, App	1	9	US-09-982-172-172
Sequence 173, App	1	9	US-09-982-172-173
Sequence 175, App	1	9	US-09-982-172-175
Sequence 189, App	1	9	US-09-982-172-189
Sequence 190, App	1	9	US-09-982-172-190
Sequence 191, App	1	9	US-09-982-172-191
Sequence 195, App	1	9	US-09-982-172-195
Sequence 200, App	1	9	US-09-982-172-200
Sequence 211, App	1	9	US-09-982-172-211
Sequence 395, App	1	10	US-09-809-391-395
Sequence 611, App	1	10	US-09-809-391-611
Sequence 395, App	1	10	US-09-882-171-395
Sequence 611, App	1	10	US-09-882-171-611
Sequence 184, App	1	11	US-09-833-245-184
Sequence 186, App	1	11	US-09-833-245-186
Sequence 325, App	1	11	US-09-833-245-325
Sequence 500, App	1	11	US-09-833-245-500
Sequence 744, App	1	11	US-09-833-245-744
Sequence 1045, Ap	1	11	US-09-833-245-1045
Sequence 1119, Ap	1	11	US-09-833-245-1119

ALIGNMENTS

RESULT 1

US-09-909-348-4  
; Sequence 4, Application US/09909348  
; Patent No. US20020042373A1  
; GENERAL INFORMATION:  
; APPLICANT: Carney, Darrell H.  
; APPLICANT: Crowther, Roger S.  
; APPLICANT: Stiernberg, Janet  
; APPLICANT: Bergmann, John  
; TITLE OF INVENTION: Stimulation Of Cartilage Growth With Agonists  
; FILE OF INVENTION: Of The No. US20020042373A1-Proteolytically Activated Thrombin R  
; FILE REFERENCE: 3033.1003-001  
; CURRENT APPLICATION NUMBER: US/09/909,348  
; CURRENT FILING DATE: 2001-07-19  
; PRIOR APPLICATION NUMBER: US 60/219,800  
; PRIOR FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 4  
; TYPE: PRT  
; LENGTH: 14  
; ORGANISM: Artificial Sequence  
; OTHER INFORMATION: Peptide fragment of Thrombin  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(14)  
; OTHER INFORMATION: Xaa at position six is Glu or Gln  
; OTHER INFORMATION: Xaa at position thirteen is Phe, Met, Leu, His or  
US-09-909-348-4

Query Match 0.0%; Score 0; DB 9; Length 1;  
Best Local Similarity 0.0%; Pred. No. 0;  
Matches 0; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 X 1

Db 1 V 1

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RESULT 2
US-09-982-172-3
; Sequence 3, Application US/09982172
; Patent No. US20020137119A1
; GENERAL INFORMATION:
; APPLICANT: Emil Israel Katz
; TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES
; TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING
; FILE REFERENCE: 01/22283
; CURRENT APPLICATION NUMBER: US/09/982,172
; CURRENT FILING DATE: 2001-10-19
; NUMBER OF SEQ ID NOS: 253
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 1
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Computer generated synthetic peptide
US-09-982-172-3
Query Match          0.0%; Score 0; DB 9; Length 1;
Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 X 1
Db      1 K 1

RESULT 3
US-09-982-172-4
; Sequence 4, Application US/09982172
; Patent No. US20020137119A1
; GENERAL INFORMATION:
; APPLICANT: Emil Israel Katz
; TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES
; TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING
; FILE REFERENCE: 01/22283
; CURRENT APPLICATION NUMBER: US/09/982,172
; CURRENT FILING DATE: 2001-10-19
; NUMBER OF SEQ ID NOS: 253
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 1
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Computer generated synthetic peptide
US-09-982-172-4
Query Match          0.0%; Score 0; DB 9; Length 1;
Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 X 1
Db      1 K 1

RESULT 4
US-09-982-172-9
; Sequence 9, Application US/09982172
; Patent No. US20020137119A1
; GENERAL INFORMATION:
; APPLICANT: Emil Israel Katz
; TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES
; TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING
; FILE REFERENCE: 01/22283
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; CURRENT APPLICATION NUMBER: US/09/982,172
; CURRENT FILING DATE: 2001-10-19
; NUMBER OF SEQ ID NOS: 253
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 1
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Computer generated synthetic peptide
US-09-982-172-9
Query Match          0.0%; Score 0; DB 9; Length 1;
Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 X 1
Db      1 K 1

RESULT 5
US-09-982-172-11
; Sequence 11, Application US/09982172
; Patent No. US20020137119A1
; GENERAL INFORMATION:
; APPLICANT: Emil Israel Katz
; TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES
; TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING
; FILE REFERENCE: 01/22283
; CURRENT APPLICATION NUMBER: US/09/982,172
; CURRENT FILING DATE: 2001-10-19
; NUMBER OF SEQ ID NOS: 253
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 1
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Computer generated synthetic peptide
US-09-982-172-11
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Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 X 1
Db      1 K 1

RESULT 6
US-09-982-172-19
; Sequence 19, Application US/09982172
; Patent No. US20020137119A1
; GENERAL INFORMATION:
; APPLICANT: Emil Israel Katz
; TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES
; TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING
; FILE REFERENCE: 01/22283
; CURRENT APPLICATION NUMBER: US/09/982,172
; CURRENT FILING DATE: 2001-10-19
; NUMBER OF SEQ ID NOS: 253
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 1
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Computer generated synthetic peptide
US-09-982-172-19
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Query Match 0.0%; Score 0; DB 9; Length 1;  
Best Local Similarity 0.0%; Pred. No. 0;  
Matches 0; Conservative 0; Mismatches 1; Indels 1; Gaps 0;

QY 1 X 1  
DB 1 K 1

## RESULT 7

US-09-982-172-31  
; Sequence 31, Application US/09982172  
; Patent No. US20020137119A1  
; GENERAL INFORMATION:  
; APPLICANT: Emil Israel Katz  
; TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES  
; TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING  
; TITLE OF INVENTION: UTILIZING EACH  
; FILE REFERENCE: 01/22283  
; CURRENT APPLICATION NUMBER: US/09/982,172  
; CURRENT FILING DATE: 2001-10-19  
; NUMBER OF SEQ ID NOS: 253  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 31  
; LENGTH: 1  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Computer generated synthetic peptide  
US-09-982-172-31

Query Match 0.0%; Score 0; DB 9; Length 1;  
Best Local Similarity 0.0%; Pred. No. 0;  
Matches 0; Conservative 0; Mismatches 1; Indels 1; Gaps 0;

QY 1 X 1  
DB 1 K 1

## RESULT 8

US-09-982-172-35  
; Sequence 35, Application US/09982172  
; Patent No. US20020137119A1  
; GENERAL INFORMATION:  
; APPLICANT: Emil Israel Katz  
; TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES  
; TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING  
; TITLE OF INVENTION: UTILIZING EACH  
; FILE REFERENCE: 01/22283  
; CURRENT APPLICATION NUMBER: US/09/982,172  
; CURRENT FILING DATE: 2001-10-19  
; NUMBER OF SEQ ID NOS: 253  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 35  
; LENGTH: 1  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Computer generated synthetic peptide  
US-09-982-172-35

Query Match 0.0%; Score 0; DB 9; Length 1;  
Best Local Similarity 0.0%; Pred. No. 0;  
Matches 0; Conservative 0; Mismatches 1; Indels 1; Gaps 0;

QY 1 X 1  
DB 1 R 1

## RESULT 9

US-09-982-172-37  
; Sequence 37, Application US/09982172  
; Patent No. US20020137119A1  
; GENERAL INFORMATION:  
; APPLICANT: Emil Israel Katz  
; TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES  
; TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING  
; TITLE OF INVENTION: UTILIZING EACH  
; FILE REFERENCE: 01/22283  
; CURRENT APPLICATION NUMBER: US/09/982,172  
; CURRENT FILING DATE: 2001-10-19  
; NUMBER OF SEQ ID NOS: 253  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 37  
; LENGTH: 1  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Computer generated synthetic peptide  
US-09-982-172-37

Query Match 0.0%; Score 0; DB 9; Length 1;  
Best Local Similarity 0.0%; Pred. No. 0;  
Matches 0; Conservative 0; Mismatches 1; Indels 1; Gaps 0;

QY 1 X 1  
DB 1 K 1

## RESULT 10

US-09-982-172-46  
; Sequence 46, Application US/09982172  
; Patent No. US20020137119A1  
; GENERAL INFORMATION:  
; APPLICANT: Emil Israel Katz  
; TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES  
; TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING  
; TITLE OF INVENTION: UTILIZING EACH  
; FILE REFERENCE: 01/22283  
; CURRENT APPLICATION NUMBER: US/09/982,172  
; CURRENT FILING DATE: 2001-10-19  
; NUMBER OF SEQ ID NOS: 253  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 46  
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; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Computer generated synthetic peptide  
US-09-982-172-46

Query Match 0.0%; Score 0; DB 9; Length 1;  
Best Local Similarity 0.0%; Pred. No. 0;  
Matches 0; Conservative 0; Mismatches 1; Indels 1; Gaps 0;

QY 1 X 1  
DB 1 K 1

## RESULT 11

US-09-982-172-69  
; Sequence 69, Application US/09982172  
; Patent No. US20020137119A1  
; GENERAL INFORMATION:  
; APPLICANT: Emil Israel Katz  
; TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES  
; TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING  
; TITLE OF INVENTION: UTILIZING EACH  
; FILE REFERENCE: 01/22283  
; CURRENT APPLICATION NUMBER: US/09/982,172  
; CURRENT FILING DATE: 2001-10-19

; NUMBER OF SEQ ID NOS: 253  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 69  
; LENGTH: 1  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Computer generated synthetic peptide  
US-09-982-172-69

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Best Local Similarity 0.0%; Pred. No. 0;  
Matches 0; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 X 1  
DB 1 K 1

RESULT 12  
US-09-982-172-80  
; Sequence 80, Application US/09982172  
; Patent No. US20020137119A1  
; GENERAL INFORMATION:  
; APPLICANT: Emil Israel Katz  
; TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES  
; TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING  
; FILE REFERENCE: 01/22283  
; CURRENT APPLICATION NUMBER: US/09/982,172  
; CURRENT FILING DATE: 2001-10-19  
; NUMBER OF SEQ ID NOS: 253  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 80  
; LENGTH: 1  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Computer generated synthetic peptide  
US-09-982-172-80

Query Match 0.0%; Score 0; DB 9; Length 1;  
Best Local Similarity 0.0%; Pred. No. 0;  
Matches 0; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 X 1  
DB 1 K 1

RESULT 13  
US-09-982-172-81  
; Sequence 81, Application US/09982172  
; Patent No. US20020137119A1  
; GENERAL INFORMATION:  
; APPLICANT: Emil Israel Katz  
; TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES  
; TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING  
; FILE REFERENCE: 01/22283  
; CURRENT APPLICATION NUMBER: US/09/982,172  
; CURRENT FILING DATE: 2001-10-19  
; NUMBER OF SEQ ID NOS: 253  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 81  
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; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Computer generated synthetic peptide  
US-09-982-172-81

Query Match 0.0%; Score 0; DB 9; Length 1;

Best Local Similarity 0.0%; Pred. No. 0;  
Matches 0; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 X 1  
DB 1 R 1

RESULT 14  
US-09-982-172-83  
; Sequence 83, Application US/09982172  
; Patent No. US20020137119A1  
; GENERAL INFORMATION:  
; APPLICANT: Emil Israel Katz  
; TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES  
; TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING  
; FILE REFERENCE: 01/22283  
; CURRENT APPLICATION NUMBER: US/09/982,172  
; CURRENT FILING DATE: 2001-10-19  
; NUMBER OF SEQ ID NOS: 253  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 83  
; LENGTH: 1  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Computer generated synthetic peptide  
US-09-982-172-83

Query Match 0.0%; Score 0; DB 9; Length 1;  
Best Local Similarity 0.0%; Pred. No. 0;  
Matches 0; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 X 1  
DB 1 R 1

RESULT 15  
US-09-982-172-86  
; Sequence 86, Application US/09982172  
; Patent No. US20020137119A1  
; GENERAL INFORMATION:  
; APPLICANT: Emil Israel Katz  
; TITLE OF INVENTION: PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES  
; TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING  
; FILE REFERENCE: 01/22283  
; CURRENT APPLICATION NUMBER: US/09/982,172  
; CURRENT FILING DATE: 2001-10-19  
; NUMBER OF SEQ ID NOS: 253  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 86  
; LENGTH: 1  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Computer generated synthetic peptide  
US-09-982-172-86

Query Match 0.0%; Score 0; DB 9; Length 1;  
Best Local Similarity 0.0%; Pred. No. 0;  
Matches 0; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 X 1  
DB 1 K 1

Search completed: March 18, 2004, 06:55:45  
Job time : 7.26582 secs